

# 311 Alley Cropping

## *Wyoming Conservation Practice Job Sheet*

Name: \_\_\_\_\_ Date: \_\_\_\_\_

Location: \_\_\_\_\_ Planner: \_\_\_\_\_

<b>Purpose (check all that apply)</b>	
<input type="checkbox"/> Enhance microclimatic conditions to improve crop or forage quality and quantity	<input type="checkbox"/> Improve soil quality by increasing utilization and cycling of nutrients
<input type="checkbox"/> Alter subsurface water quantity or water table depths	<input type="checkbox"/> Decrease offsite movement of nutrients or chemicals
<input type="checkbox"/> Enhance wildlife and beneficial insect habitat	<input type="checkbox"/> Increase carbon storage in plant biomass and soils
<input type="checkbox"/> Reduce surface water runoff and erosion	<input type="checkbox"/> Increase crop diversity
<input type="checkbox"/> Improve air quality	

<b>Layout</b>
Alley width <sup>1</sup> (ft):
Spacing between tree/shrub sets <sup>2</sup> (ft):
Supplemental herbaceous cover width – erosive sites (ft):
Tree/shrub set orientations: ___ Contour; ___ North/South, ___ East/West, ___ Other (specify _____)

<sup>1</sup>Distance available for herbaceous crops; set equal to multiple agricultural equipment widths.

<sup>2</sup>Distance from center of one set to center of the next set.

<b>Woody Plant Materials Information</b>				
Planting date:				
Species/cultivar by set and row number:  (indicate set and row numbers on the job sheet sketch)	Kind of stock <sup>3</sup> :	Distance between plants within row (ft):	Total number of plants for row:	Distance (ft) from this row to next row <sup>4</sup> :
Set # 1:        1				
2				
3				
4				--
Set # 2:        1				
2				
3				
4				--

<sup>3</sup>BAreroot, COntainer, CUtting; include size, caliper, height, and age as applicable.

<sup>4</sup>Adjusted for width of maintenance equipment.\

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<b>NOTES:</b>
<b>Temporary Storage Instructions</b>
<i>Planting stock that is dormant may be stored temporarily in a cooler or protected area. For stock that is expected to begin growth before planting, dig a V-shaped trench (heeling-in-bed) sufficiently deep and bury seedlings so that all roots are covered by soil. Pack the soil firmly and water thoroughly. Additional requirements:</i>
<b>Site Preparation</b>
<i>Remove debris and control competing vegetation to allow enough spots or sites for planting and planting equipment. Prepare supplemental moisture materials for installation if required by trees and/or shrubs. Additional requirements:</i>
<b>Planting Methods</b>
<i>For container and bareroot stock, plant stock to a depth even with the root collar in holes deep and wide enough to fully extend the roots. Pack the soil firmly around each plant. Cuttings are inserted in moist soil with at least 2 to 3 buds showing above ground. Additional requirements:</i>
<b>Operation and Maintenance</b>
<i>Inspect alley cropping components periodically and protect from damage so proper function is maintained. Replace dead or dying tree/shrub stock and continue control of competing vegetation to allow proper establishment. Install and begin supplemental irrigation if required. Additional requirements:</i>

**Certification**

**I agree to the installation and maintenance of this practice as outlined. This practice, as installed, meets NRCS standards and specifications.**

**Cooperator:** \_\_\_\_\_ **Date** \_\_\_\_\_

**Planner:** \_\_\_\_\_